

CLAIMS

1. System for checking at least one status parameter of a tyre for a motor vehicle, comprising:

- at least one tyre wheel comprising a tyre mounted on a mounting rim,

- a device for measuring said at least one status parameter associated with said wheel;

- a transmission device designed to transmit a signal indicating the value measured by said measuring device;

- a receiving device designed to receive said signal indicating the value measured by said measuring device,

characterized in that it comprises a sensor for sensing the movement of said wheel, designed to enable energization of said transmission device when said wheel is moving.

2. System according to Claim 1, characterized in that said measuring device is associated with an inner tube inserted in said wheel.

3. System according to Claim 1, characterized in that said measuring device is inserted in said mounting rim.

4. System according to Claim 1, characterized in that said movement sensor is an accelerometric switch.

5. System according to Claim 2, characterized in that

said transmission device is inserted in a wall of said inner tube in a radially internal position.

- 5       6. System according to Claim 2, characterized in that said transmission device is inserted in a bush fixed in the wall of said inner tube.
- 10      7. System according to Claim 1, characterized in that said transmission device, said measuring device and said movement sensor are housed in the same container.
- 15      8. System according to Claim 1, characterized in that said device for measuring at least one status parameter is a pressure sensor.
- 20      9. System according to Claim 1, characterized in that said device for measuring at least one status parameter of a tyre is a temperature sensor.
- 25      10. System according to Claim 1, characterized in that said transmission device comprises a power supply battery, a device for measuring the voltage of said battery and transmits the value of the measured voltage by means of a radiofrequency signal.
- 30      11. System according to Claim 1, characterized in that it further comprises a device for displaying said signal indicating the value measured by said measuring device.
- 35      12. System according to Claim 2, characterized in that it comprises an inner tube with at least two compartments which are separate from each other and each provided with said measuring device.

13. Tyre wheel for vehicles, comprising:

- a tyre mounted on a corresponding mounting rim,

- a device for measuring at least one status parameter of said tyre associated with said wheel,

- a transmission device designed to transmit a signal indicating the value measured by said measuring device,

characterized in that it comprises a sensor for sensing the movement of said wheel, designed to enable energization of said transmission device when said wheel is moving.

14. Wheel according to Claim 13, characterized in that said measuring device is associated with an inner tube inserted in said wheel.

15. Wheel according to Claim 13, characterized in that said measuring device is inserted in said mounting rim.

16. Wheel according to Claim 13, characterized in that said movement sensor is an accelerometric switch.

17. Wheel according to Claim 13, characterized in that said device for measuring at least one status parameter of a tyre is a pressure sensor.

18. Wheel according to Claim 13, characterized in that said device for measuring at least one status parameter of a tyre is a temperature sensor.

19. Wheel according to Claim 13, characterized in that

said transmission device, said measuring device  
and said movement sensor are housed in the same  
container.

- 5    20. Sensor for measuring at least one status parameter  
of a tyre wheel for a motor vehicle, said wheel  
comprising a tyre mounted on a mounting rim,  
comprising:
- 10       - a device for measuring at least one status  
parameter of said tyre,
- 15       - a transmission device designed to transmit a  
signal indicating the value measured by said  
measuring device,
- 20       characterized in that it comprises a sensor for  
sensing the movement of said wheel, designed to  
enable energization of said transmission device when  
said wheel is moving.
- 25    21. Sensor according to Claim 20, characterized in that  
it is associated with an inner tube inserted in said  
wheel.
- 30    22. Sensor according to Claim 20, characterized in that  
it is inserted in said mounting rim.
- 35    23. Sensor according to Claim 20, characterized in that  
it is inserted from the outside in said mounting  
rim.
24. Sensor according to Claim 20, characterized in that  
said transmission device, said measuring device and  
said movement sensor are housed in the same  
container.